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et al. Inventor Attorne ket No. 3298.1 Sheet 1 of 3 1 **17 15** . \mathbf{I} 5 3

Title: Systems and Computer Software Products for Gene Expression Analysis

Figure 1

Title: Systems and Computer Software Products for Gene Expression Analysis Invento et al. Attorney socket No. 3298.1 Sheet 2 of 8

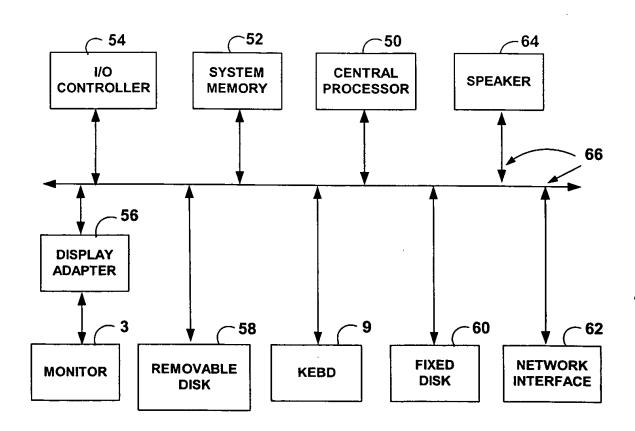


Figure 2

Title: Systems and Computer Software Products for Expression Analysis Inventor: Liu Attorney Docket No. 3298.1 Sheet 3 of 8

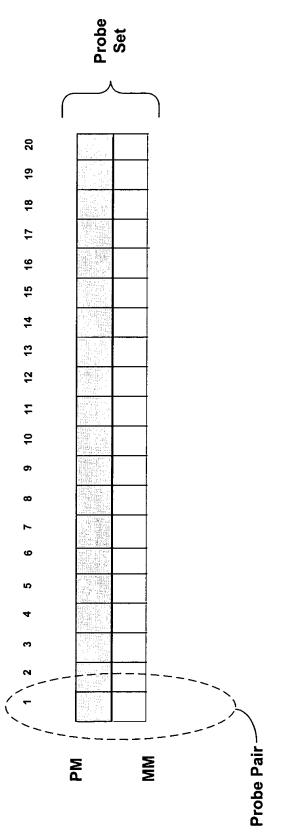


Figure 3

Title: Systems and Computer Software Products for Gene Expression Analysis Inv. Liu et al. Attorney Docket No. 3298.1 Sheet 4 of 8

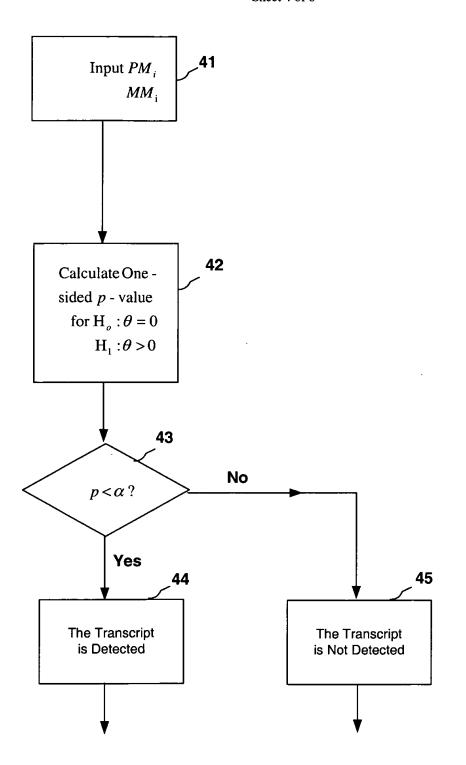


Figure 4

r: Liu et al. ey Docket No. 3298.1 Sheet 5 of 8 51 Read Data Files Calculate Threshold 52 τ Calculate one-sided 53 p-value $median(PM_i - MM_i) > \tau$ 54 Yes 55 Detected $p < \alpha_1$ No 56 57 Yes Marginal $p < \alpha_2$ No 58 Undetected Figure 5

Title: Systems and Computer Software Products for Gene Expression Analysis

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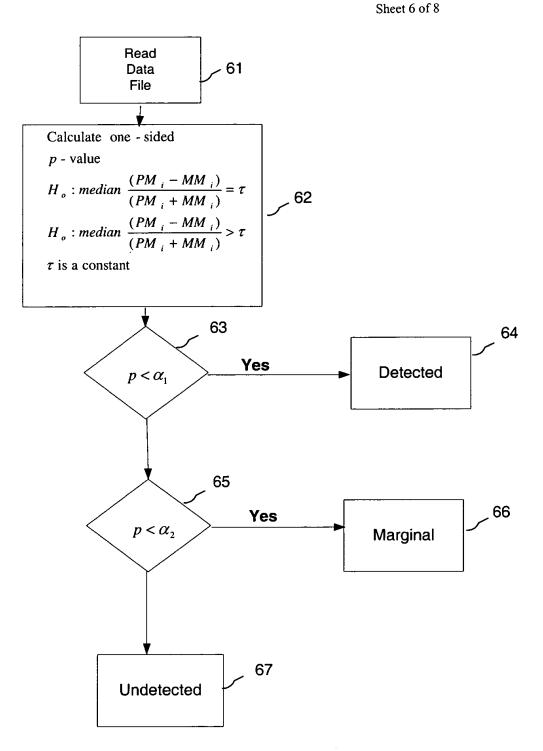
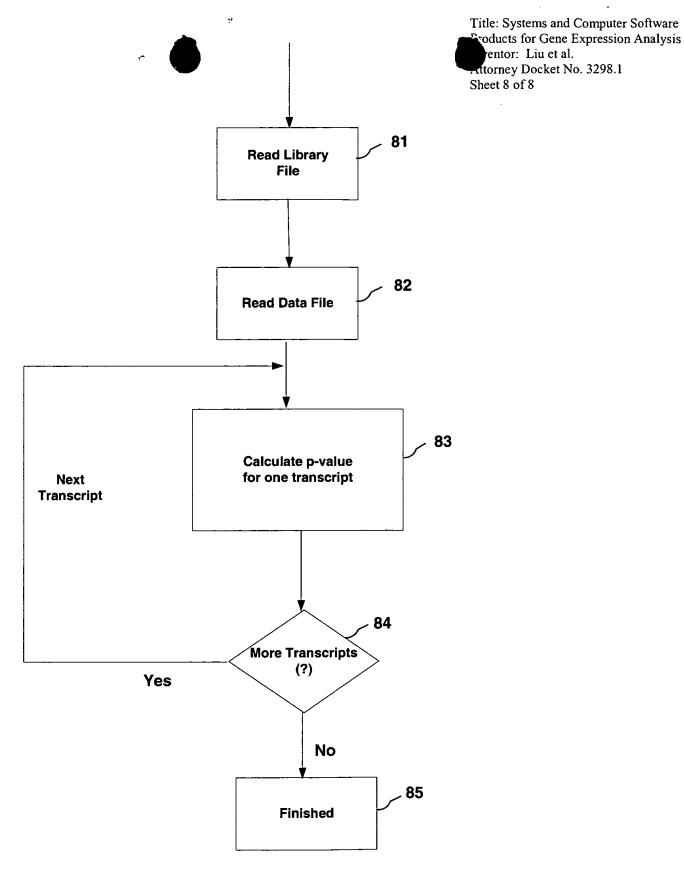


Figure 6

Products for Gene Expression Analysis ventor: Liu et al. attorney Docket No. 3298.1 Sheet 7 of 8 71 Read Data File 72 Calculate B_i 73 Calculate au74 Calculate p - value H_o : median $(PM_i - B_i) = \tau$ H_1 : median $(PM_i - B_i) > \tau$ 76 75 Yes $P < \alpha_1$ Detected No 78 Yes $P < \alpha_2$ Marginal Νo 79 Undetected

Title: Systems and Computer Software

Figur 7



entor: Liu et al.

Figure 8